

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WG2XTO

(Call Sign)

0155-EX-ST-2014

(File Number)

NAME Millennium Space Systems

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

A balloon test demonstration of the proposed satellite system.

Station Locations

- (1) MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06
- (2) MOBILE: Between 65 degrees North and South Latitude, within 100 km, centered around NL 34-59-02; WL 117-45-06
- (3) MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06

Frequency Information

MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2450-2483.5 MHz	MO	50K0F1D	15 W (ERP)	

This authorization effective March 06, 2014 and
will expire 3:00 A.M. EST April 07, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Between 65 degrees North and South Latitude, within 100 km, centered around NL 34-59-02; WL 117-45-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1720 MHz	MO	1M60F1D	2 W (ERP)	

MOBILE: Mojave Desert, CA, within 100 km, centered around NL 34-59-02; WL 117-45-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1720 MHz	MO	1M60F1D	2 W (ERP)	

Special Conditions:

- (1) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (5) Licensee must coordinate with Western Area Frequency Coordinator (760) 939-6948 prior to activation.
- (6) The designated point-of-contacts to terminate transmissions if interference occurs are:
Mike Scardera (310) 245-1938 (Cell)
Matt Baker (805) 259-7378 (Cell)
Peter Dohm (310) 498-3230 (Cell)
- (7) Operation in band 2450-2483.5 MHz is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.